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A BIBLIOGRAPHY OF RIPARIAN AND RELATED TOPICS

WITH EMPHASIS ON THE INTERMOUNTAIN WEST

by

Catherine Clifton

and

Allan E. Thomas

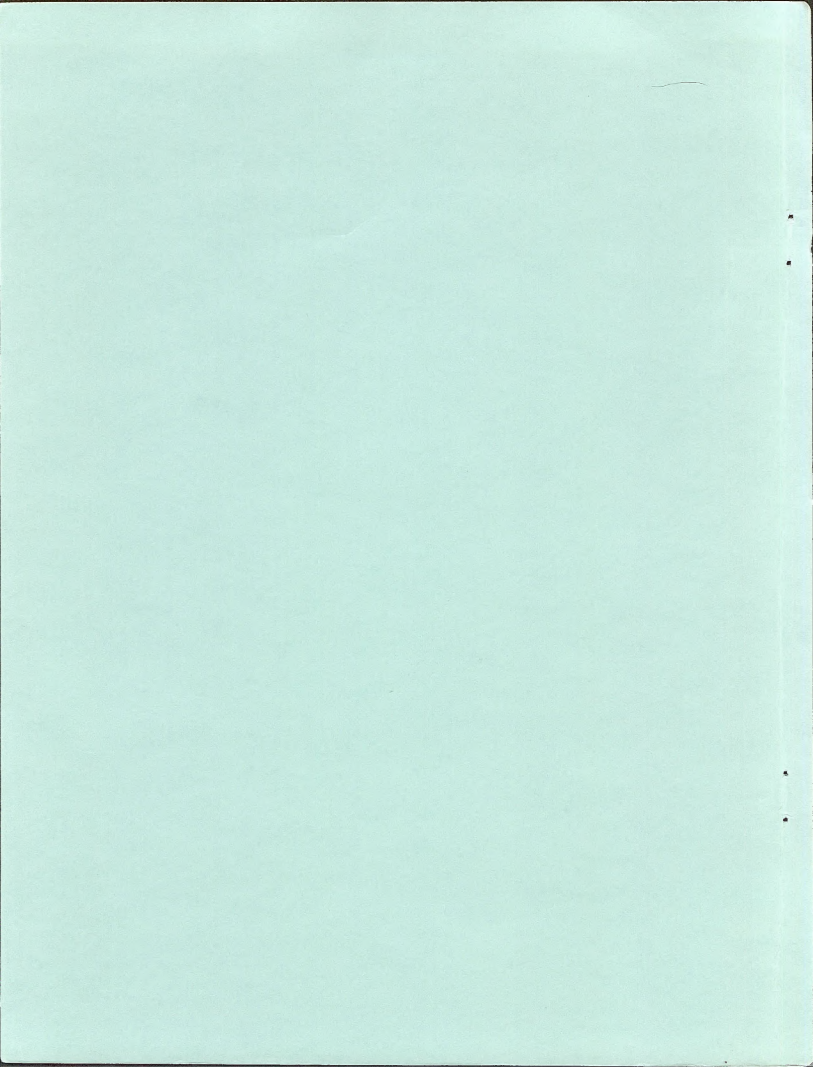
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A BIBLIOGRAPHY OF RIPARIAN AND RELATED TOPICS

WITH EMPHASIS ON THE INTERMOUNTAIN WEST

by

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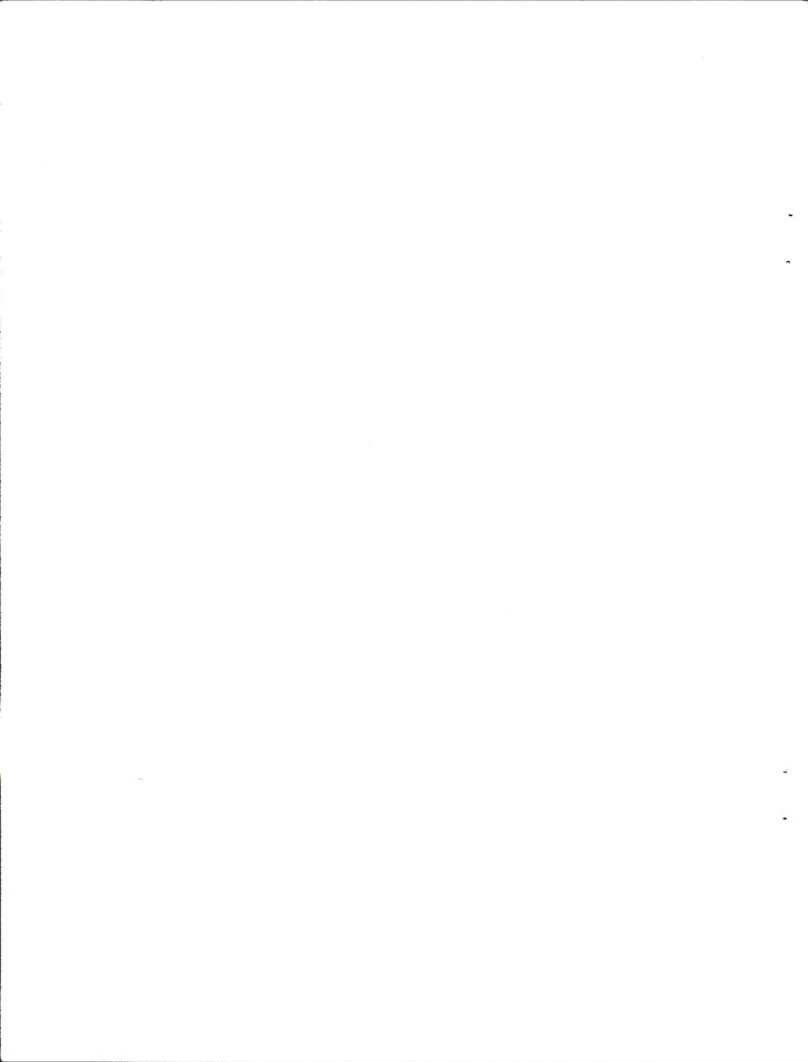
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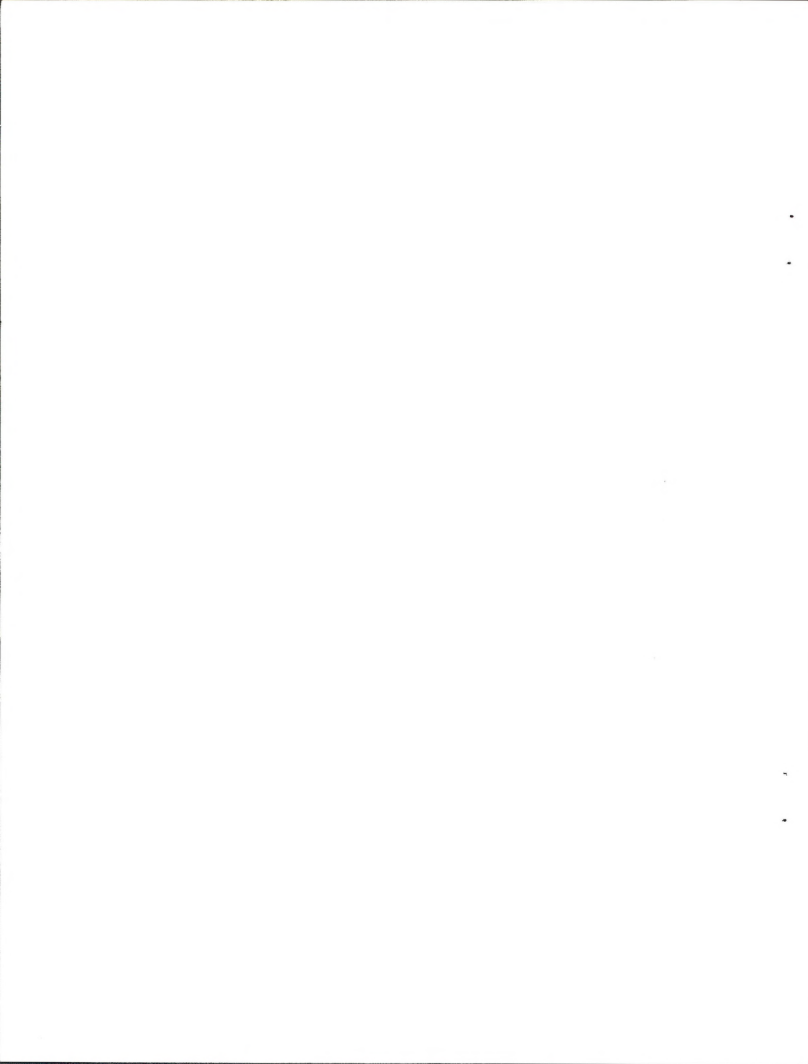
Introduction

This technical bulletin updates and expands an earlier bibliography of riparian topics (Thomas and Wentzell, 1986). Over the past ten years, with the development of research on riparian issues, data have been available mainly in the form of workshop and symposia proceedings and in-house reports. Earlier riparian bibliographies have included much of this literature (Thomas and Wentzell, 1986; Cuplin, 1987). Increasingly, research papers addressing riparian topics can be found in a broader array of scientific and technical journals.

The bibliography presented here includes literature from the fields of agricultural and hydraulic engineering, water resources, hydrology, forestry, geology, geography, and the biological sciences. Each reference was assigned from one to five topics for cross referencing. The topic index has been expanded from the earlier bibliography to include 98 new topics, from aerial photography to wetland ecosystems.

The inclusion of a more diverse literature and expanded topic index represents an attempt to provide references on the physical functioning of riparian and stream ecosystems. To date, riparian management decisions are often based on expert judgement, under the best of circumstances. Adequate guidelines for management that are based on an understanding of physical processes are still lacking. This situation calls for an interdisciplinary approach and requires the integration of research results from many scientific fields.

With exceptions, the 332 references included in this bibliography represent recent publications (last five years) on riparian topics, focusing on the intermountain western U.S. The references will be compiled with Thomas and Wentzell (1986) and adapted for use on personal computers. Most of the references are on file in the Idaho State Office.



1. Ambasht, R.S., M.P. Singh and Eklaabya Sharma (1984) Soil, water and nutrient conservation by certain riparian herbs. J. of Environ. Manage., 18: 99-104

TOPICS

Soil erosion, riparian vegetation

2. Andrews, E.D. (1979) Hydraulic adjustment of the East Fork River, Wyoming to the supply of sediment. In: Rhodes, Dallas D. and Garnett P. Williams (eds.) Adjustments of the Fluvial System. Proc. Tenth Annual Geomorph. Symp. Series. Binghampton, New York. pp. 169-197

TOPICS

Geomorphology, hydraulic geometry, channel adjustments

3. Andrews, E.D. (1980) Effective and bankfull discharges of streams in the Yampa River basin, Colorado and Wyoming. J. of Hydrol., 46: 311-330

TOPICS

Geomorphology, flood analysis, sediment transport

4. Andrews, E.D. (1982) Bank stability and channel width adjustment, East Fork River, Wyoming. Water Resour. Res., 18 (4): 1184-1192

TOPICS

Channel morphology, streambank stability, channel adjustments

5. Andrews, E.D. (1984) Bed-material entrainment and hydraulic geometry of gravel-bed rivers in Colorado. Geol. Soc. Am. Bull., 95: 371-378

TOPICS

Hydraulic geometry, sediment transport, riparian vegetation

6. Angradi, T., M. Vinson, C. Contor, M. Riehle, B. Parker and J. Mende (1986) Fish population estimates for fenced and unfenced sections of Burnt Creek, Custer County, Idaho. Report to U.S. D.I. Bureau of Land Management, Salmon District Office, Salmon, ID. 11 p.

TOPICS

Fish populations, livestock impacts

7. Arnold, J.G. and J.R. Williams (1987) Validation of SWRRB - Simulator for water resources in rural basins. J. Water Res. Planning and Manage., 113 (2): 243-256

TOPICS

Modeling, water resource management

8. Ashton, William S. and Stephen R. Bredthauer (1986) Riverbank erosion processes on the Yukon River at Galena, Alaska. Cold Regions Hydrology Symposium, Am. Water Resour. Assoc., July, 1986. pp. 415-423

TOPICS

Streambank erosion

9. Austin, T. Al (1986) Utilization of models in water resources. Water Resour. Bull., 22 (1): 49-56

TOPICS

Modeling, water resource management

10. Babbitt, Bruce (1986) Saving habitat in the desert. Defenders-Sept/Oct 86. pp. 20-29

TOPICS

Aquatic/riparian habitat

11. Babcock, William H. (1986) Tenmile Creek: a study of stream relocation. Water Resour. Bull. 22 (3): 405-415

TOPICS

Aquatic/riparian habitat, fisheries, habitat improvement

12. Bailey, Robert G. (1982) Classification systems for habitat and ecosystems. In: Research on Fish and Wildlife Habitat. U.S.-Environmental Protection Agency, EPA 600/8-82-022. pp. 16-26

TOPICS

Classification, aquatic/riparian habitat

13. Baltz, Donald M., B. Vrontacek, L.R. Brown and P.B. Moyle (1987) Influence of temperature on microhabitat choice by fishes in a California stream. Trans. of the Am. Fish. Soc., 116 (1): 12-20

TOPICS

Fisheries, fish populations, aquatic/riparian habitat

14. Barfield, B.J. and R.C. Warner (1981) Applied Hydrology and Sedimentology for Disturbed Areas. Oklahoma Technical Press, Stillwater, OK. 603 p.

TOPICS

Hydrology, hydrologic cycle, soil erosion, sediment yield, check dams, vegetation management

15. Barnes, H.H. (1967) Roughness characteristics of natural channels. U.S. Geol. Sur. Water Suppl. Pap. 1849. 213 p.

TOPICS

Channel characteristics

16. Bathurst, James C. (1985) Flow resistance estimation in mountain streams. J. Hydr. Engineer., 111 (4): 625-643

TOPICS

Channel hydraulics

17. Batson, Fred T., Paul E. Cuplin, and Wallace A. Crisco (1987)
The use of aerial photography to inventory and monitor riparian areas. U.S.D.I. Bureau of Land Management, Technical Reference 1737-2, Aug. 1987, Denver Federal Center, Denver, CO. 16 p.

TOPICS

Remote sensing, aerial photography, riparian vegetation, techniques

18. Bayha, Keith (1978) Instream flow methodologies for regional and national assessments. Instream Flow Information Paper No. 7, U.S.D.I.-Fish and Wildlife Service/OBS-78/61. 98 p.

TOPICS

Fisheries, instream flow, water resource management

19. Behmer, D.J. and C.P. Hawkins (1986) Effects of overhead canopy on macroinvertebrate production in a Utah stream. Freshwater Biol., 16: 287-300

TOPICS

Aquatic macroinvertebrates, riparian ecosystems, riparian vegetation

20. Benedict, N.B. (1984) Classification and dynamics of subalpine meadow ecosystems in the southern Sierra Nevada. In: Warner, Richard E. and Kathleen M. Hendrix (eds.) California Riparian Systems: Ecology, Conservation and Productive Management, University of California Press, Berkeley. pp. 92-95

TOPICS

Classification

21. Beschta, R.L. and W.S. Platts (1986) Morphologic features of small streams: significance and function. Water Resour. Bull., 22 (3): 369-379

TOPICS

Channel morphology, aquatic/riparian habitat

22. Bettis, E. Arthur, III, and Dean M. Thompson (1985) Gully erosion. Rangelands, 7 (2): 70-72

TOPICS

Gully erosion

23. Binns, N. Allen (1986) Stabilizing eroding stream banks in Wyoming, a guide to controlling bank erosion in streams. Wyoming Game and Fish Department, Cheyenne, WY. 42 p.

TOPICS

Streambank erosion, streambank stabilization, techniques

24. Blakesley, J.A. and K.P. Reese (1986) Avian habitat relationships in riparian zones of northern Utah. Completion Report to U.S.D.A. Forest Service, Ogden, UT. 59 p.

TOPICS

Riparian bird communities, aquatic/riparian habitats

25. Boughton, Walter C. (1986) Evaluating partial areas of watershed runoff. J. Irrig. and Drainage Engineer. ASCE, 113 (3): 356-366

TOPICS

Modeling, hydrology

26. Bovee, Ken D. (1982) A guide to stream habitat analysis using the instream flow incremental methodology. Instream Flow Information Paper No. 12, U.S.D.I.-Fish and Wildlife Service/OBS-82/26. 248 p.

TOPICS

Fisheries, aquatic/riparian habitat, instream flow, techniques

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TOPICS

Gully erosion, sediment characteristics

28. Bradford, J.M. and R.F. Piest (1977) Gully wall stability in loess-derived alluvium. Soil Sci. Soc. Am. J., Vol. 41, 1977, pp. 115-122

TOPICS

Gully erosion, sediment characteristics, streambank stability

29. Braun, Richard H. (1986) Emerging limits on federal land management discretion: livestock, riparian ecosystems, and Clean Water Law. Environmental Law 17 (43): 43-79

TOPICS

Riparian ecosystems, riparian management, water law

30. Brayton, D. Scott (1984) The beaver and the stream. J. Soil and Water Conserv., Mar.-Apr. 1984. pp. 108-109

TOPICS

Beaver, riparian restoration

31. Brenner, Fred J. (1986) Evaluation and mitigation of wetland habitats on mined lands. In: 1986 National symposium on mining, hydrology, sedimentology, and reclamation. University of Kentucky, Lexington, KY. Dec. 8-12. pp. 181-184.

TOPICS

Wetlands, wetland ecosystems, hydrology, mining impacts

32. Brock, John H. (1985) Physical characteristics and pedogenesis of soils in riparian habitats along the upper Gila River basin. In: Riparian Ecosystems and Their Management: Reconciling Conflicting Uses, Tucson, AZ, Apr. 16-18, 1985. U.S.D.A.-Forest Service, Gen. Tech. Rept. RM-120. pp. 49-53

TOPICS

Riparian soils, soil characteristics, aquatic/riparian habitat

33. Brothers, T.S. (1984) Historical vegetation change in the Owens River riparian woodland. In: Warner, Richard E. and Kathleen M. Hendrix (eds.) California Riparian Systems: Ecology, Conservation and Productive Management, University of California Press, Berkeley. pp. 75-84

TOPICS

Historical ecology, riparian vegetation

34. Brown, George W. and Robert L. Beschta (1985) The art of managing water. J. of Forestry, Oct. 1985. pp. 604-615

TOPICS

Water resource management, water quality

35. Brown, Mark K. and Gary R. Parsons (1979) Waterfowl production on beaver flowages in a part of northern New York. New York Fish and Game J. 26 (2): 142-153

TOPICS

Beaver, beaver management

36. Brussock, Peter P., Arthur V. Brown and John C. Dixon (1985) Channel form and stream ecosystem models. Water Resour. Bull., 21 (5): 859-866

TOPICS

Stream ecosystems, geomorphology, channel morphology

37. Bryan, Rorke B. and Ian A. Campbell (1982) Surface flow and erosional processes in semiarid mesoscale channels and drainage basins. In: Proceedings of the Exeter Symposium, Recent Developments in the Explanation and Prediction of Erosion and Sediment Yield, July 1982, IAHS Publ. No. 137. pp. 123-133

TOPICS

Drainage basins, streambank erosion

38. Buckhouse, J.C. (1986) Riparian responses to various grazing systems and to periodic ice flows. In: Gudmundsson, O. (ed.) Grazing Research at Northern Latitudes Workshop, Aug. 5-10, Hvanneyri, Iceland, NATO Advanced Science Institutes Series: Series A, Life Sciences, Vol. 108. pp. 79-86

TOPICS

Grazing systems, riparian vegetation, river ice, livestock management

39. Buckhouse, J. C. and R.E. Gaither (1982) Potential sediment production within vegetative communities in Oregon's Blue Mountains. J. Soil and Water Conserv., Mar.-Apr. 1982, pp. 120-122

TOPICS

Soil erosion, sediment production

40. Burgi, Philip H. and Susumi Karaki (1971) Seepage effect on channel bank stability. J. Irrig. and Drain. Div., Vol. 97 No. 1R1, Proc. of the Am. Soc. Civil Engineers. pp. 59-72

TOPICS

Streambank stability, channel morphology, surface water-ground-water interaction

41. Burkham, D.E. (1976) Hydraulic effects of changes in bottom-land vegetation on three major floods, Gila River in southeastern Arizona. U.S. Geol. Surv. Prof. Pap. 655-J. 14 p.

TOPICS

Channel characteristics, channel adjustments, channel hydraulics, riparian vegetation, flood analysis

42. Campbell, A.G. and J.F. Franklin (1979) Riparian vegetation in Oregon's western Cascade Mountains: composition, biomass, and autumn phenology. Coniferous Forest Biome. Bull., 14: 90 p.

TOPICS

Riparian vegetation

43. Carson, Michael A. and George A. Griffiths (1987) Influence of channel width on bedload transport capacity. J. Hydraulic Engineer., 113 (12): 1489-1509

TOPICS

Channel hydraulics, sediment transport

44. Chang, Howard H. (1985) Water and sediment routing through curved channels. J. Hydraulic Engineer. 111 (4): 644-658

TOPICS

Modeling, sediment transport

45. Charlton, F.G. (1982) River stabilization and training in gravel-bed rivers. In: Hey, R.D., J.C. Bathurst, and C.R. Thorne (eds.) Gravel Bed Rivers. John Wiley and Sons Ltd., New York. pp. 635-652

TOPICS

Channel morphology, streambank erosion, streambank stabilization

46. Chow, Van te (1964) Handbook of Applied Hydrology. McGraw-Hill, Inc.

TOPICS

Hydrology, hydrologic cycle, geomorphology, water resource management

47. Clifton, Catherine F. (1987) Effects of land use and vegetation on the channel morphology of Wickiup Creek, Blue Mountains, Oregon. M.S. Thesis, University of Wisconsin, Madison. 107 p.

TOPICS

Channel morphology, livestock impacts, riparian vegetation, organic debris

48. Cline, S.P. and C.A. Phillips (1983) Coarse woody debris and debris-dependent wildlife in logged and natural riparian zone forests - a western Oregon example. U.S.D.A.-Forest Service Gen. Tech. Rep., RM-99, pp. 33-39

TOPICS

Riparian vegetation, logging impacts, organic debris

49. Coleman, Neil L. (1986) Effects of suspended sediment on the open-channel velocity distribution. Water Resour. Res., 22 (10): 1377-1384

TOPICS

Channel hydraulics, sediment transport

50. Connors, M.E. and R.J. Naiman (1984) Particulate allochthonous inputs: relationships with stream size in an undisturbed watershed. Can. J. Fisher. Aquat. Sci., 41 (10): 1473-1484

TOPICS

Riparian vegetation, organic debris, carbon cycling

51. Cooperrider, A.Y., R.J. Boyd, and H.R. Stuart, eds. (1986) Inventory and Monitoring of Wildlife Habitat. U.S.D.I.-Bureau of Land Management, Service Center, Denver, CO. 858 p.

TOPICS

Inventory, monitoring, aquatic/riparian habitat, wetland ecosystems, stream ecosystems, aquatic ecosystems, rangeland ecosystems

52. Corradini, C. and V.P. Singh (1985) Effect of spatial variability of effective rainfall on direct runoff by a geomorphologic approach. J. of Hydrol., 81 (1985): 27-43

TOPICS

Hydrology, hydrograph analysis, geomorphology

53. Coulson, R.N., L.J. Folse and D.K. Loh (1987) Artificial intelligence and natural resource management. Science, 237, July 1987. pp. 262-267

TOPICS

Artificial intelligence, expert systems

54. Cowan, W.L. (1956) Estimating hydraulic roughness coefficients. Agric. Engineer., 37: 473-475

TOPICS

Channel characteristics

55. Cowell, Daryl W. (1984) The Canadian Beaver, *Castor canadensis*, as a geomorphic agent in karst terrain. Canad. Field-Naturalist 98 (2): 227-230

TOPICS

Beaver, geomorphology

56. Crouch, Glenn L. (1984) Wildlife habitat on the lower South Platte River in Colorado. Paper presented at the Symposium on Wooded Draws. South Dakota School of Mines and Technology, Rapid City, Jun. 12-13, 1984. pp. 1-3

TOPICS

Aquatic/riparian habitat, riparian vegetation, historic journals

57. Cuplin, Paul and Fred Batson (1985) Stream/riparian area inventory and monitoring using large scale color infrared airphotos. In: Proceedings Remote Sensing in Forest and Range Resource Management, Aug. 20-22, 1985, Colorado State University, Fort Collins, CO. p. 356-361

TOPICS

Remote sensing, aerial photography, inventory, monitoring

58. Cuplin, Paul and Raymond J. Boyd (1987) A selected, annotated bibliography of riparian area management. U.S.D.I. Bureau of Land Management, Denver Service Center, Technical Reference 1737-1, July 1987. 83 p.

TOPICS

Bibliography, riparian management

59. Dale, H.M. and C.E. Garton (1984) The aquatic macrophyte vegetation of an isolated island lake adjacent to Lake Nipigon, Ontario: a comparative study after a fifty-six year interval. *Canad. Field Naturalist* 98 (3): 444-450

TOPICS

Aquatic vegetation, beaver

60. Davis, E.A. (1987) Chapparal conversion and streamflow: nitrate increase inbalanced mainly by a decrease in bicarbonate. *Water Resour. Res.*, 23 (1): 215-224

TOPICS

Water quality, soil characteristics, vegetation management

61. Davis, E.A. and L.F. DeBano (1986) Nitrate increases in soil water following conversion of chapparal to grass. *Biogeochemistry*, 2: 53-65

TOPICS

Soil characteristics, water quality, vegetation management

62. DeBano, Leonard F. and Burchard H. Heede (1987) Enhancement of riparian ecosystems with channel structures. *Water Res. Bull.* 23 (3): 463-470

TOPICS

Riparian ecosystems, instream structures, geomorphology

63. Dinius, S.H. (1987) Design of an index of water quality. *Water Res. Bull.*, 23 (5): 833-843

TOPICS

Water quality

64. Dodd, J.L., M.A. Smith, J.D. Rodgers, R.E. Siekert and Q.D. Skinner (1987) Influence of grazing on above ground biomass and shrub density associated with an ephemeral stream in Wyoming. Abstracts. 40th Annual Meeting, Society of Range Management.

TOPICS

Riparian vegetation, livestock impacts

65. Douglas, David C. (1986) Avian-habitat associations in riparian zones. M.S. Thesis, Washington State University, Pullman, WA. 74 p.

TOPICS

Riparian bird communities, aquatic/riparian habitat

66. Draper, Stephen E. and Srinivas G. Rao (1986) Runoff prediction using remote sensing imagery. *Water Resour. Bull.*, 22 (6): 463-470

TOPICS

Remote sensing, hydrology

67. Duff, Donald, Mary Gnehm, Terry Shrader, and Lynn Howard (1986)
Indexed bibliography on stream habitat improvement. U.S.D.A.-
Forest Service report, Intermountain Region, Ogden, UT. 98 p.

TOPICS

Bibliography, aquatic/riparian habitat, habitat improvement

68. Duncan, Sally L. (1984) Leaving it to beaver. Environment, 26 (3):
41-45

TOPICS

Beaver, beaver ecology, beaver management

69. Duncan, S.H., R.E. Bilby, J.W. Ward and J.T. Heffner (1987) Trans-
port of road-surface sediment through ephemeral stream channels.
Water Resour. Bull., 23 (1): 113-119

TOPICS

Sediment characteristics, sediment transport, sediment storage,
organic debris, logging effects

70. Dunne, Thomas and Luna B. Leopold (1978) Water in Environmental
Planning. W.H. Freeman and Co., San Francisco, CA. 795 p.

TOPICS

Hydrology, hydrologic cycle, geomorphology, water resource
management

71. Eckert, R.E., Jr. (1983) Methods for improving mountain meadow
communities. U.S.D.A.-Forest Service Gen. Tech. Rep., INT-157,
Nov. 1983. pp. 67-75

TOPICS

Livestock management, vegetation management, check dams, tech-
niques

72. Edmonds, R.L. (ed.) (1982) Analysis of coniferous forest ecosystems
in the western United States. Hutchinson Ross Publ. Co.,
Stroudsburg, PA. 419 p.

TOPICS

Forestry management, riparian vegetation, hydrology, geomorph-
ology, organic debris, soil erosion

73. Elmore, Wayne (1987) Riparian management: back to basics. Paper
presented at the Natural Resources Law Center, University of
Colorado School of Law, June 8-10, 1987. 8 p.

TOPICS

Riparian ecosystems, riparian management

74. Elmore, Wayne and Robert L. Beschta (1987) Riparian areas: per-
ceptions in management. Rangelands, 9 (6): 260-265

TOPICS

Riparian management

75. Estes, Christopher C. and John F. Orsborn (1986) Review and analysis of methods for quantifying instream flow requirements. *Water Resour. Bull.* 22 (3): 389-398

TOPICS

Fisheries, aquatic/riparian habitat, instream flow

76. Ferguson, Bruce K. (1987) Environmental patterns of water management. *J. of Environ. Systems*, 16 (3): 161-178

TOPICS

Water resource management

77. Finch, Deborah M. (1986) Similarities in riparian bird communities among elevational zones in southeastern Wyoming. In: *Proceeding Wyoming Water 1986 and Streamside Zone Conference*, Casper, WY, Apr. 28-30, 1986. pp. 105-109

TOPICS

Riparian bird communities

78. Fleming, George and Ahmed Al Kadhimi (1982) Sediment modelling and data sources: a compromise in assessment. In: *Proceedings of the Exeter Symposium*, July 1982, Recent Developments in the Explanation and Prediction of Erosion and Sediment Yield, IAHS Publ. No. 137. pp. 251-259

TOPICS

Modeling, soil erosion, sediment transport

79. Franz, C., J.D. Rodgers, J.L. Dodd, M.A. Smith, R.E. Siekert and Q.D. Skinner (1987) Influence of grazing on root biomass and soil texture associated with an ephemeral stream in Wyoming. Abstracts. 40th Annual Meeting, Society of Range Management.

TOPICS

Livestock impacts, riparian vegetation, soil characteristics, riparian soils

80. Frissell, Christopher A., William J. Liss, Charles E. Warren and Michael D. Hurley (1986) A hierarchical framework for stream habitat classification: viewing streams in a watershed context. *Environ. Manage.*, 10 (2): 199-214

TOPICS

Classification, aquatic/riparian habitat, geomorphology

81. Galbraith, William A. and E. William Anderson (1971) Grazing history of the northwest. *J. Range Manage.*, 24 (1): 6-12

TOPICS

Grazing history

82. Gebhardt, Karl (1986) Determining hydrologic properties of soils.
U.S.D.I. Bureau of Land Management, Tech. Note 371, Idaho State
Office, Boise ID. 34 p.

TOPICS

Soil characteristics, techniques

83. Gebhardt, Karl (1987) Development of a monitoring program for
natural resource management. Unpubl. doc. on file U.S.D.I.-
Bureau of Land Management, Idaho State Office, Boise, ID.

TOPICS

Monitoring, water resource management

84. Gholz, H.L., G.M. Hawk, A. Campbell, K. Cromack Jr. and A.T. Brown
(1985) Early vegetation recovery and element cycles on a clear-
cut watershed in western Oregon, U.S.A.. Can. J. Fores. Res., 15
(2): 400-409

TOPICS

Riparian vegetation, logging impacts, nitrogen cycling

85. Gilliland, Martha W. and Wanada Baxter-Potter (1987) A geographic
information system to predict non-point source pollution
potential. Water Res. Bull., 23 (2): 281-291

TOPICS

Geographic information systems, non-point source pollution

86. Girard, Michele M. (1985) Native woodland ecology and habitat type
classification of southwestern North Dakota. Ph.D. thesis,
North Dakota State University. 331 p.

TOPICS

Riparian vegetation, classification

87. Goldner, B.H. (1984) Riparian restoration efforts associated with
structurally modified flood control channels. In: Warner,
Richard E. and Kathleen M. Hendrix (eds.) California Riparian
Systems: Ecology, Conservation and Productive Management,
University of California Press, Berkeley. pp. 445-451

TOPICS

Riparian restoration, vegetation management, instream structures

88. Goss, Don W. (1973) Relation of physical and mineralogical prop-
erties to streambank stability. Water Res. Bull., 9 (1):
140-144

TOPICS

Streambank stability, sediment characteristics

89. Graf, William L. (1979) Mining and channel response. Assoc. Am.
Geog., Ann., 69 (2): 262-275

TOPICS

Mining impacts, channel hydraulics, photographic studies

90. Graf, William L. (1979) The development of montane arroyos and gullies. Earth Surf. Proc., 4: 1-14

TOPICS

Gully erosion

91. Graf, W.L. (1985) Geomorphic measurements from ground-based photographs. In: Pitty, Alistair (ed.) Geomorphology: Themes and Trends. Barnes and Noble Books, Totowa, NJ. pp. 211-225

TOPICS

Techniques, geomorphology, photographic studies

92. Grasse, James E. and Euvern Putnam (1950) Beaver management and ecology in Wyoming. Federal Aid in Wildlife Restoration Project Bullitin No. 6, Wyoming Game and Fish Commission, Cheyenne, WY. 75 p.

TOPICS

Beaver ecology, beaver management

93. Gregory, K.J. and J.R. Madew (1982) Land use change, flood frequency, and channel adjustments. In: Hey, R.D., J.C. Bathurst and C.R. Thorne (eds.) Gravel Bed Rivers. John Wiley and Sons, Ltd. pp. 757-781

TOPICS

Land use, channel adjustments, flood analysis

94. Gregory, K.J., A.M. Gurnell and C.T. Hill (1985) The permanence of debris dams related to river channel processes. J. Hydrol. Sciences, 30 (3): 371-381

TOPICS

Organic debris, flood analysis, hydrograph analysis

95. Griffiths, David (1902) Forage conditions on the northern border of the Great Basin, being a report on investigations made during July and August, 1901, in the region between Winnemucca, Nevada and Ontario, Oregon. U.S. Bur. Plant Indus. Bull., 15. 60 p.

TOPICS

Historic investigation

96. Grissinger, E.H. (1982) Bank erosion of cohesive material. In: Hey, R.D., Bathurst, J.C. and C.R. Thorne (eds.) Gravel-bed Rivers. John Wiley and Sons, Ltd. pp. 273-287

TOPICS

Streambank erosion, sediment characteristics, channel hydraulics

97. Grissinger, E.H., W.C. Little and J.B. Murphey (1981) Erodibility of streambank materials of low cohesion. Trans. of the ASAE. pp. 624-630

TOPICS

Streambank erosion, soil characteristics

98. Gurnell, A.M. and K.J. Gregory (1981) The influence of vegetation on stream channel processes. In: Burt, T.P. and D.E. Walling (eds.) Catchment Experiments in Fluvial Geomorphology. Geo Books, Norwich, UK. pp. 515-535

TOPICS

Geomorphology, channel morphology

99. Gutzwiller, Kevin J. (1985) Riparian habitat use by breeding cavity-nesting birds in southeastern Wyoming. Ph.D. thesis, University of Wyoming, Laramie. 125 p.

TOPICS

Riparian bird communities, aquatic/riparian habitat

100. Haines, F.D. (ed.) (1971) The Snake Country Expedition. University of Oklahoma Press, Norman, OK. 172 p.

TOPICS

Historic journals

101. Hanson, Paul L., Steve W. Chadde, and Robert D. Pfister (1987) Riparian dominance types of Montana. Montana Riparian Assoc., School of Forestry, University of Montana, Missoula, MT, Aug. 14, 1987. 358 pp.

TOPICS

Riparian vegetation

102. Hardin, Timothy S. (1986) Use of hydraulic simulation to evaluate habitat improvement structures. In: Western Assoc. of Fish and Wildlife Agencies, and Western Division of Am. Fisheries Soc., Proc., Portland, OR. pp. 111-119

TOPICS

Modeling, aquatic/riparian habitat, habitat improvement

103. Harenberg, W.A. (1980) Using channel geometry to estimate flood flows at ungaged sites in Idaho. U.S. Geol. Surv. Water Resour. Invest. 80-32

TOPICS

Flood analysis, channel morphology

104. Harris, D.D. and L.E. Hubbard (1983) Magnitude and frequency of floods in eastern Oregon. U.S. Geol. Surv. Water Resour. Invest. Rep., 82-4078. 39 p.

TOPICS

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TOPICS

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Techniques, photographic studies

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TOPICS

Gully erosion, geomorphology, channel restoration

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Geomorphology, channel adjustments, channel restoration

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TOPICS

Check dams

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TOPICS

Gully erosion, soil erosion, soil characteristics

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TOPICS

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TOPICS

Gully erosion, gully control, check dams

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TOPICS

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TOPICS

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TOPICS

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TOPICS

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TOPICS

Ecosystem disturbance, channel adjustments, check dams

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TOPICS

Soil erosion, gully erosion, erosion control, channel adjustments

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Soil erosion, gully erosion, erosion control, check dams, channel morphology

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TOPICS

Channel morphology, modeling

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TOPICS

Channel hydraulics, channel morphology, sediment transport

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TOPICS

Channel morphology, geomorphology, hydraulic geometry, channel adjustments

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TOPICS

Riparian vegetation, geomorphology, channel morphology

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TOPICS

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Riparian ecosystems, riparian vegetation, riparian management, geomorphology

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TOPICS

Streambank erosion, hydrograph analysis

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Beaver, beaver habitat, classification

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TOPICS

Beaver ecology, geomorphology

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TOPICS

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TOPICS

Sediment characteristics, sediment transport, sediment yield

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Hydrology, techniques

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TOPICS

Aquatic/riparian habitats, riparian vegetation, recreation impacts

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TOPICS

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TOPICS

Soil erosion, drainage basins

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TOPICS

Geomorphology, channel morphology, organic debris

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TOPICS

Aquatic ecosystems, modeling, forestry management

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TOPICS

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TOPICS

Hydrology, wetland ecosystems, water balance

159. Lane, Emory W. (1953) Design of stable channels. Trans. Am. Soc. of Civil Engineers, Paper No. 2776. pp. 1234-1260

TOPICS

Streambank stability, channel hydraulics

160. Lane, L.J. (1982) Development of a procedure to estimate runoff and sediment transport in ephemeral streams. In: Proceedings of the Exeter Symposium, July 1982, Recent Developments in the Explanation and Prediction of Erosion and Sediment Yield, IAHS Publ. No. 137. pp. 275-282

TOPICS

Modeling, sediment transport, sediment yield

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Exclosures, natural areas

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TOPICS

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TOPICS

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TOPICS

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TOPICS

Channel adjustments, sediment transport, sediment storage

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TOPICS

Gully erosion, gully control, watershed restoration, check dams

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TOPICS

Historic investigation, land use

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TOPICS

Sediment transport, water quality, riparian ecosystems

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TOPICS

Riparian ecosystems, non-point source pollution, riparian
vegetation, riparian soils, water quality, riparian management

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TOPICS

Techniques, photographic studies

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TOPICS

Livestock grazing, livestock impacts, streambank stability

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TOPICS

Fish populations, riparian vegetation, logging impacts

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TOPICS

Geomorphology, channel morphology, organic debris

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TOPICS

Gully erosion, techniques

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TOPICS

Aquatic/riparian habitat, riparian vegetation, livestock
impacts

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Riparian vegetation, riparian ecosystems

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TOPICS

Sediment transport, sediment storage, sediment yield

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TOPICS

Sediment transport, sediment storage, sediment budget

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TOPICS

Sediment production, sediment transport, sediment storage, sediment yield

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TOPICS

Non-point source pollution, logging impacts, soil erosion

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TOPICS

Aquatic/riparian habitat, riparian ecosystems, aquatic ecosystems riparian management

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TOPICS

Riparian ecosystems, aquatic ecology, aquatic macroinvertebrates

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TOPICS

Economic values

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TOPICS

Non-point source pollution, best management practices

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TOPICS

Stream ecosystems, aquatic ecology, carbon cycling, aquatic macroinvertebrates

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TOPICS

Aquatic/riparian habitat, habitat enhancement

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TOPICS

Wetlands, economic values

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TOPICS

Beaver ecology, beaver management, beaver/cattle interactions, riparian restoration

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TOPICS

Sediment transport, channel hydraulics

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TOPICS

BLM-Montana riparian projects, inventory, monitoring

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TOPICS

Riparian management, inventory, monitoring, techniques

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TOPICS

Beaver, riparian ecosystems, nitrogen cycling

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TOPICS

Riparian vegetation, geomorphology

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TOPICS

Fisheries, aquatic/riparian habitat, forestry management

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TOPICS

Water law, Clean Water Act, water quality

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TOPICS

Water law, riparian ecosystems, riparian restoration, range management, Clean Water Act

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TOPICS

Water law, Northwest Power Act, Indian treaty fishing rights, Federal Energy Regulatory Commission

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TOPICS

Beaver, beaver ecology

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TOPICS

Soil erosion, sediment yield, land use

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TOPICS

Aquatic/riparian habitat, fisheries

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TOPICS

Fisheries, instream flow, water law, water resource management

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TOPICS

Riparian vegetation, channel hydraulics

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TOPICS

Streambank erosion, techniques

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TOPICS

Streambank stability, streambank erosion

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TOPICS

Historic investigation, historic documents

209. Orsborn, John F. and John W. Anderson (1986) Stream improvements and fish response: a bio-engineering assessment. Water Res. Bull. 22 (3): 381-388

TOPICS

Aquatic/riparian habitat, fisheries, channel restoration

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TOPICS

Gully erosion, sediment yield

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TOPICS

Hydraulic geometry, channel hydraulics

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TOPICS

Soil characteristics, soil erosion

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TOPICS

Geomorphology, channel morphology, techniques

214. Parker, Michael (1986) Beaver, water quality, and riparian systems. In: Wyoming Water 1986 and Streamside Zones Conference Proc., Apr. 28-30 1986. Wyoming Water Research Center, University of Wyoming, Laramie, WY

TOPICS

Beaver, water quality, riparian ecosystems

215. Parsons, Steve and Shirley Hudson (1985) Channel cross section surveys and data analysis. Report No. TR-4341-1, U.S.D.I. Bureau of Land Management, Denver Service Center, Denver, CO. 48 p.

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